

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1.-10. (cancelled)

11. (previously presented) The apparatus as claimed in claim 23, wherein the resistance element has at least two resistance segments which are arranged in series.

12. (previously presented) The apparatus as claimed in claim 11, wherein the resistance segments are arranged within the electric motor.

13. (previously presented) The apparatus as claimed in claim 23, wherein the resistance element is in the form of a resistance wire.

14. (previously presented) The apparatus as claimed in claim 11, wherein each resistance segment is in the form of a resistance wire.

15. (previously presented) The apparatus as claimed in claim 12, wherein each resistance segment is in the form of a resistance wire.

16. (previously presented) The apparatus as claimed in claim 13, wherein the resistance wire is provided in the form of at least one turn on a winding of the electric motor.

17. (previously presented) The apparatus as claimed in claim 23, wherein the second circuit element is a TRIAC.

18. (previously presented) The apparatus as claimed in claim 23, wherein the resistance element is a non-reactive resistor.

19. (previously presented) The apparatus as claimed in claim 23, wherein said harmonics created by the phase control and to be reduced by the apparatus comprise harmonics up to a region of 4 kHz.

20. (previously presented) The apparatus as claimed in claim 19, wherein said harmonics are in the region of the third harmonic.

21. (cancelled)

22. (cancelled)

23. (previously presented) Apparatus for controlling the power of an AC supply voltage supplying an electric motor by phase control and for reducing

harmonics caused by said phase control, comprising a first switching element connected in series with said electric motor and driven at a first firing angle into a conducting state by a control device for performing a phase control of said electric motor during a given half cycle of the AC supply voltage, and a second switching element and a resistor element both being electrically connected in series to form a series connection, said series connection being connected in parallel to the first switching element, said control device driving the second switching element at a second firing angle into a conducting state at a first point in time (t1) during said given half cycle that is shortly before a second point in time (t2) when the first switching element is driven into the conducting state; the improvement comprising a fan coupled to said electric motor for generating an airflow to cool said electric motor, and arranging said resistor element in said airflow to cool the resistor element.

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (previously presented) The apparatus as claimed in Claim 23, wherein the electric motor has a motor winding and a motor shaft and the fan is connected to the motor shaft for generating an airflow across said motor winding, and

further wherein said resistor element is disposed between said fan and said motor winding.